

**DELTA PUMPING PLANT FISH PROTECTION AGREEMENT
FISH MITIGATION REPORT
MARCH 2006**

	(Yearling Eq.)	(Smolt Eq.)	(Yearling Eq.)
<u>LOSSES</u>	<u>STRIPED BASS</u>	<u>SALMON</u>	<u>STEELHEAD</u>
1986	544,429	1,973,164	21,884
1987	683,712	1,536,872	11,591
1988	854,041	1,609,586	16,018
1989	796,240	1,486,018	22,240
1990	790,824	1,349,238	22,953
1991	636,525	709,733	27,507
1992	499,816	510,455	31,145
1993	557,035	296,258	35,686
1994	454,955	178,844	29,469
1995	426,838	168,226	26,592
1996	434,026	148,080	21,754
1997	421,165	114,644	13,943
1998	197,528	105,189	4,457
1999	232,755	153,211	5,093
2000	370,281	157,096	9,717
2001	379,930	162,670	13,911
2002	384,739	157,650	15,607
2003	405,042	177,912	20,589
2004	382,959	145,465	23,670
2005 ¹	218,058	116,934	20,057
TOTAL LOSSES	9,670,898	11,257,245	393,883
<u>REPLACED²</u>			
1988	345,292	0	0
1989	406,458	78,125	0
1990	1,235,787	15,625	53,900
1991	1,765,804	18,522	20,450
1992	0	678,447	0
1993	125,000	352,483	41,500
1994	286,244	673,007	48,320
1995	349,256	801,487	55,688
1996	503,799	871,018	55,050
1997	318,682	979,317	52,860
1998	485,670	1,569,206	248
1999	250,000	4,168,382	48,813
2000	1,097,424	1,089,361	248
2001	974,312	1,423,765	248
2002	250,000	1,749,813	477
2003	250,000	1,595,905	50,248
2004	250,000	1,023,588	248
2005	250,000	1,129,481	50,248
2006	254,452	1,120,523	50,248 ³
TOTAL REPLACED	9,398,181	19,338,054	528,794
REMAINING OBLIGATION	272,718	-8,080,810	- 134,911
<u>PROJECTED LOSSES</u>			
2005	400,000	200,000	20,000
2006	400,000	200,000	20,000
2007	400,000	200,000	20,000
	1,200,000	600,000	60,000
<u>PROJECTED REPLACEMENT</u>			
2007	254,452 ⁴	1,200,000 ⁵	50,000
2008	254,452	1,200,000	50,000
	508,904	2,400,000	100,000
PROJECTED BALANCE 1986 THRU 2008	963,814	-9,880,810	-174,911⁶

Endnotes:

1. 2006 losses not yet available.
2. Refer to Annual Striped Bass Credit and Annual Salmon Smolt Credit tables (attached).
3. Steelhead Credit Assumptions:
2003 & 2005 release includes 50,000 mitigation fish as Yearling Equivalents (YE);
2006 estimate is preliminary and needs to be verified with DFG;
Mill Creek Water Exchange O&M = 248 YE

No steelhead available from Feather River Hatchery for mitigation for 1998, 2000-2002, and 2004.
4. Delta-Bay Enhanced Enforcement Project = 250,000 (Annually);
SRCD Suisun Marsh Fish Screen O&M Project = 4,452 (Annually)
5. 2007-2008 Salmon Credit Assumptions:
SJ Basin Spawning Habitat Projects (8) = 87,002;
Predator Habitat Removal Projects (3) = 33,564 (constant);
Hills Ferry Barrier = 122,435 (1994-2005 mean credits);
MRH = 486,282 (1992-2006 mean credits);
DBEEP = 250,000 annually;
Spring-Run Increased Protection = 124,826 (1997-2006 mean credits);
Mill Creek Water Exchange O&M = 97,282 (1999-2006 mean credits);
Butte Creek Passage Projects = 32,518 (1997-2006 mean credits).

Total Potential Credits = approx. 1,200,000 annually.
6. Direct replacement of steelhead reared at Feather River Hatchery at an annual amount equal to or greater than the annual loss rate.